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(12) **United States Design Patent**
Chen

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(54) **VACUUM CLEANER**

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(**) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/21**

(58) **Field of Classification Search**
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CPC A47L 11/34; A47L 11/29; A47L 11/30;
A47L 7/0019; A47L 7/0004; A47L
7/0023; A47L 9/00; A47L 9/1409; A47L
5/28; A47L 5/38

See application file for complete search history.

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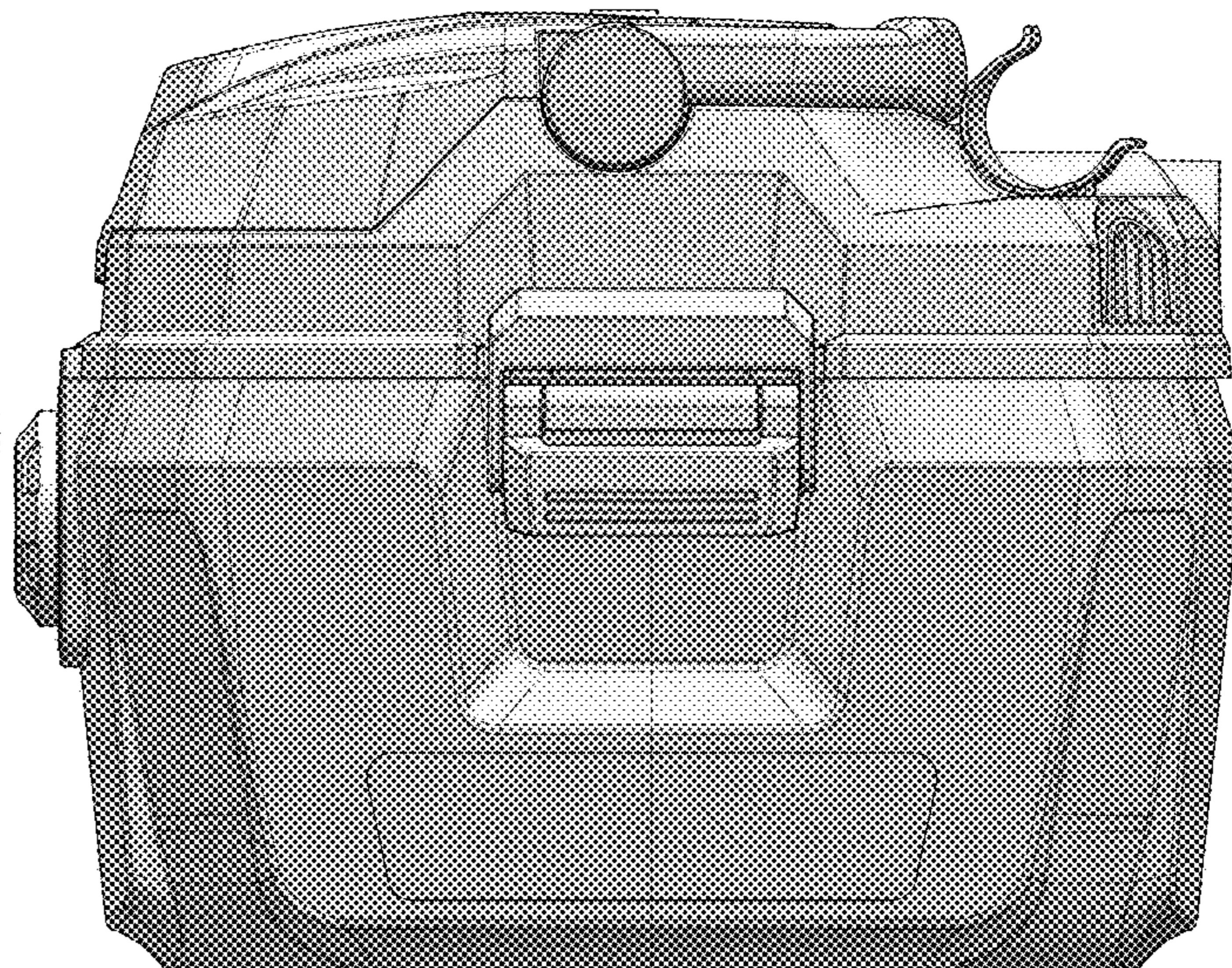
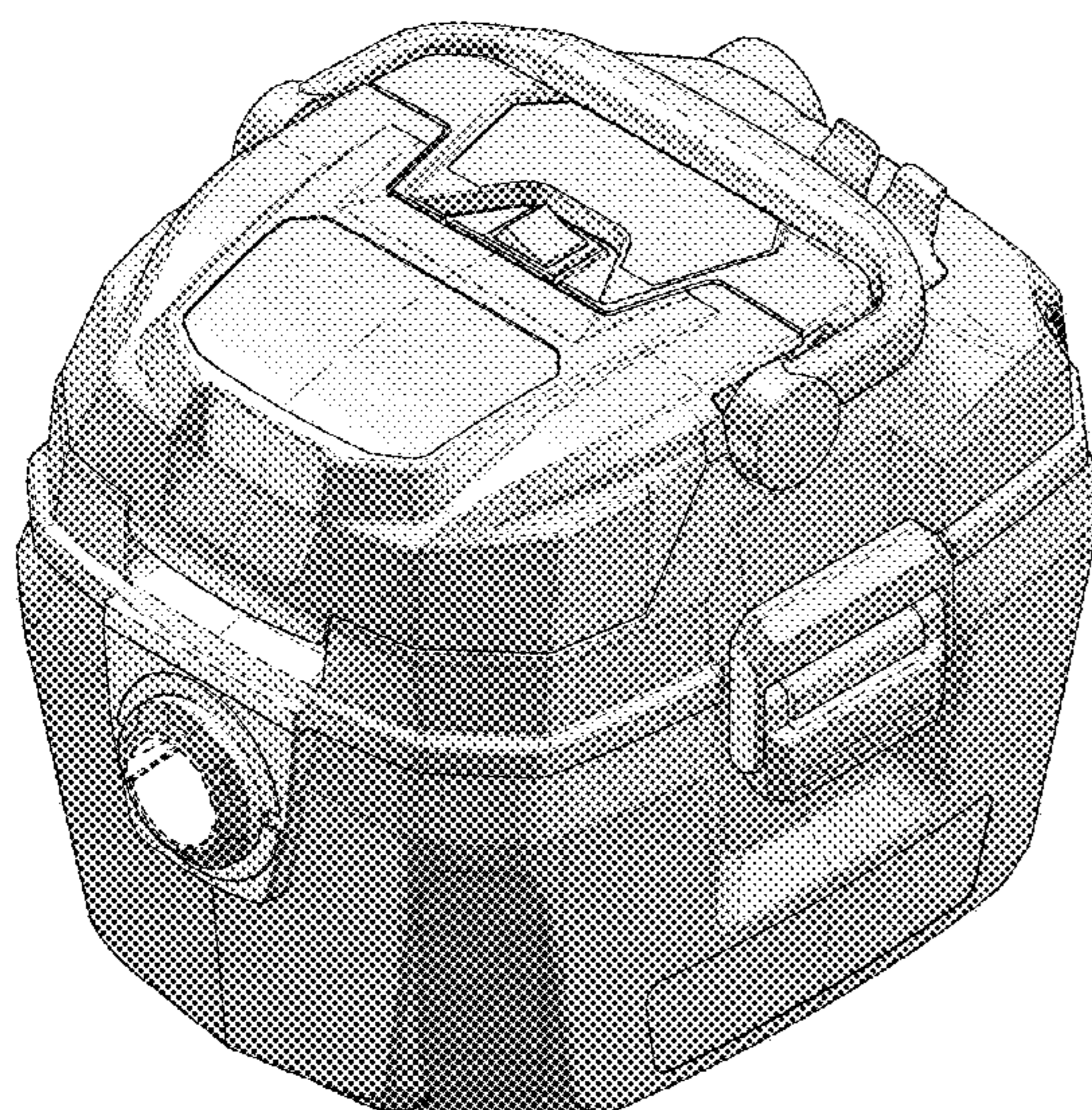
(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is front perspective view of a vacuum cleaner according to the present invention.
FIG. 2 is a rear perspective view thereof.
FIG. 3 is a front view thereof.
FIG. 4 is a rear view thereof.
FIG. 5 is a left side view thereof.
FIG. 6 is a right side view thereof; and,
FIG. 7 is a top view thereof.
The details shown in broken lines form no part of the claimed design.

1 Claim, 7 Drawing Sheets



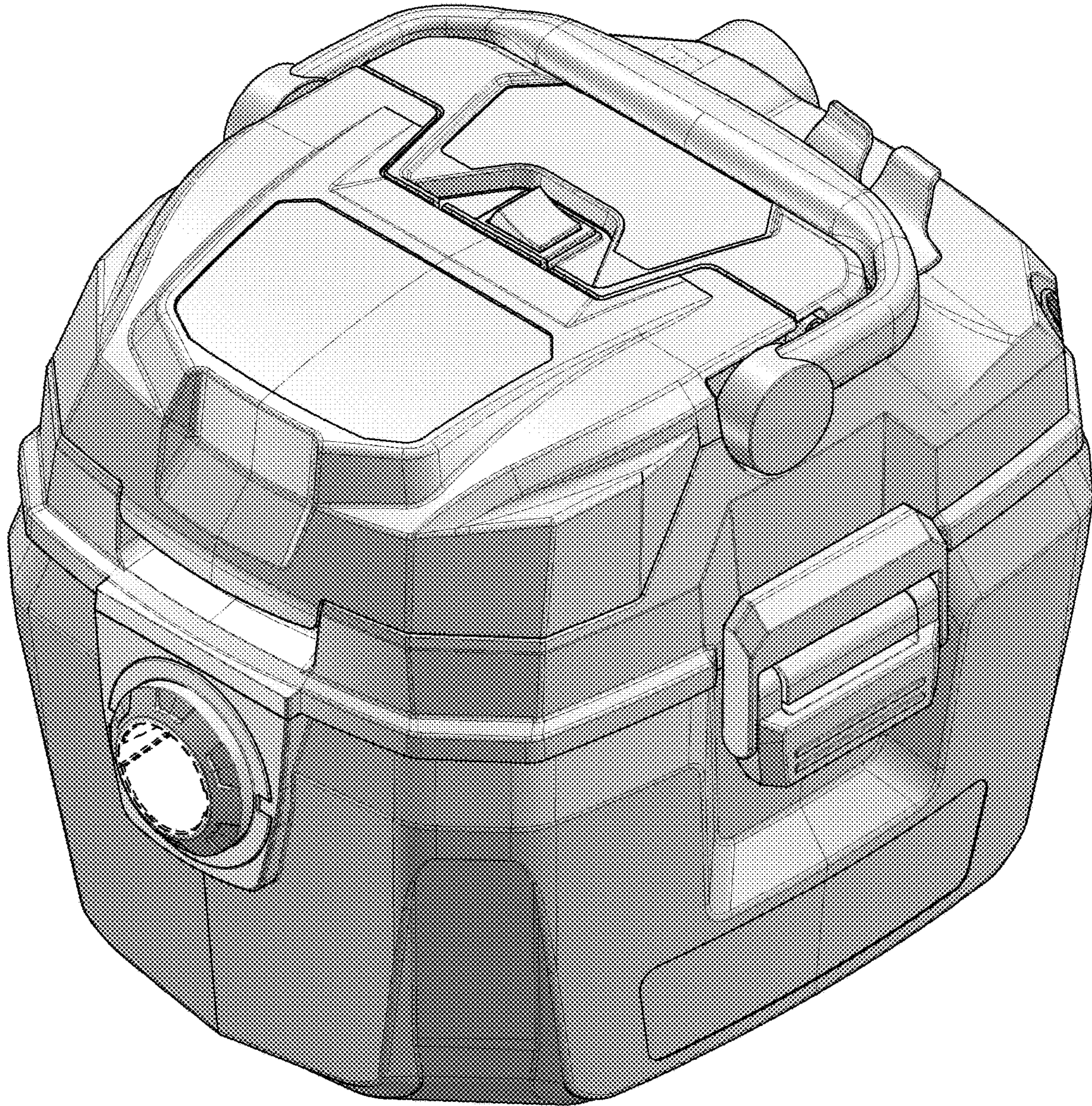


FIG. 1

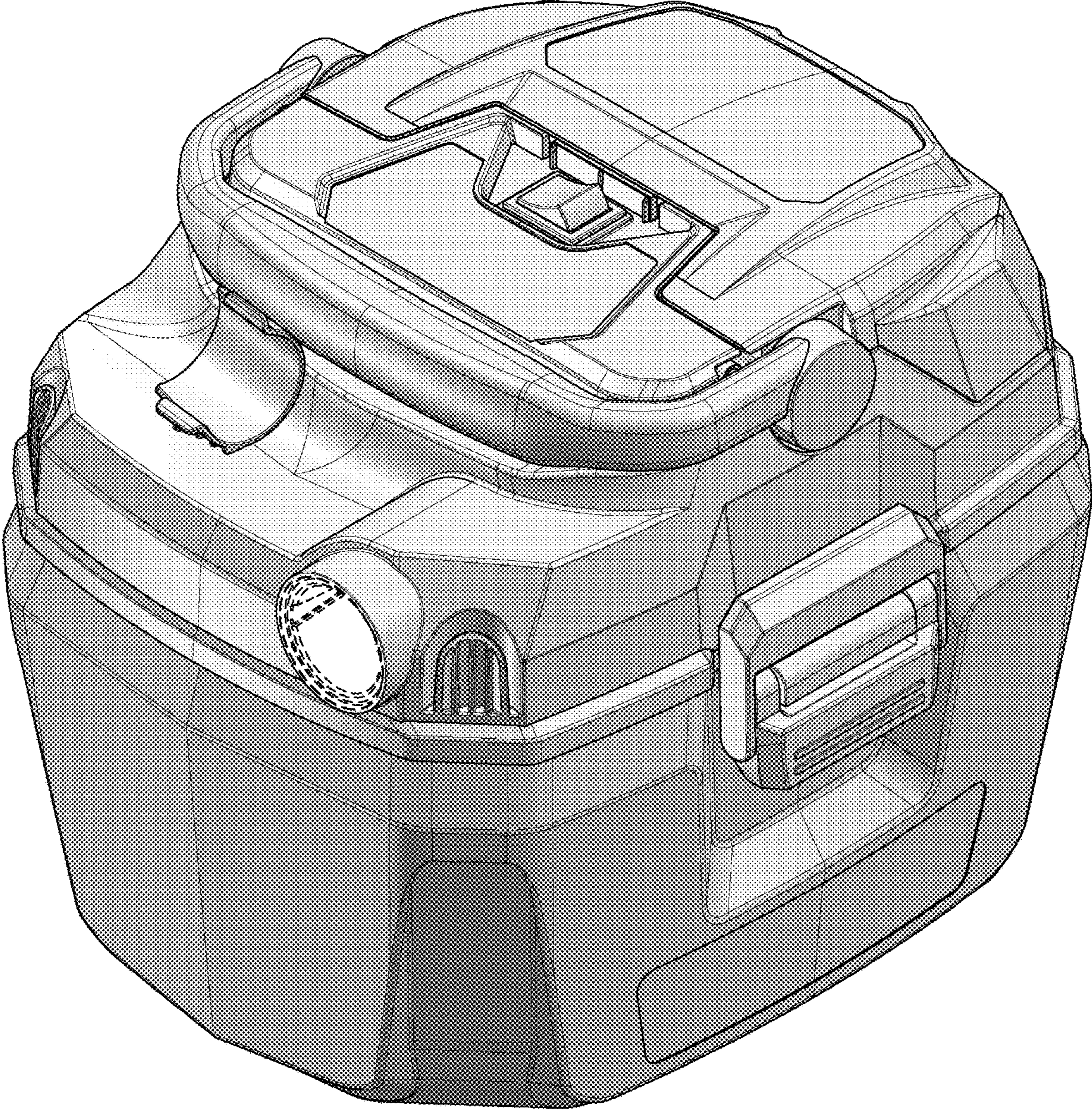


FIG. 2

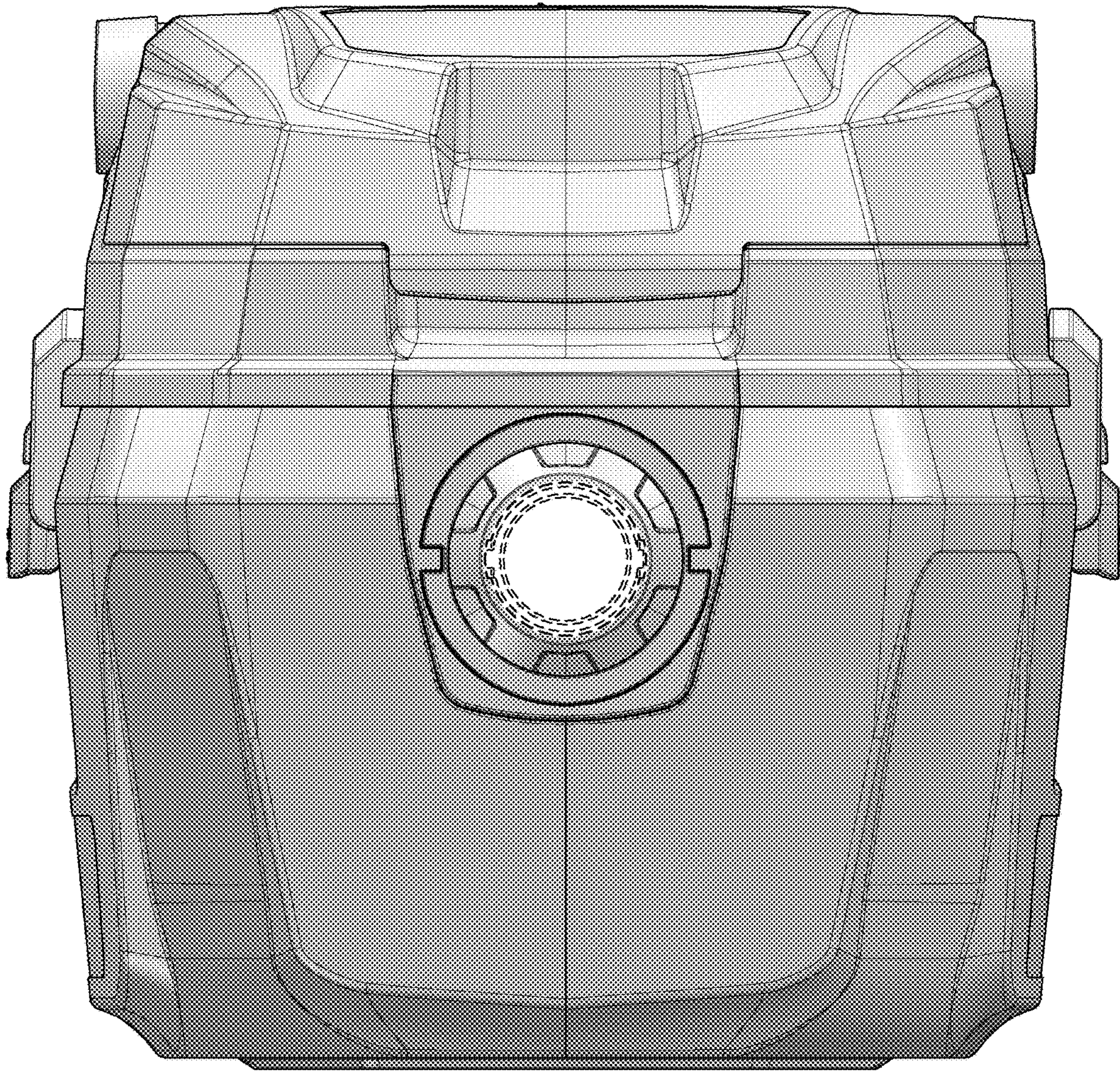


FIG. 3

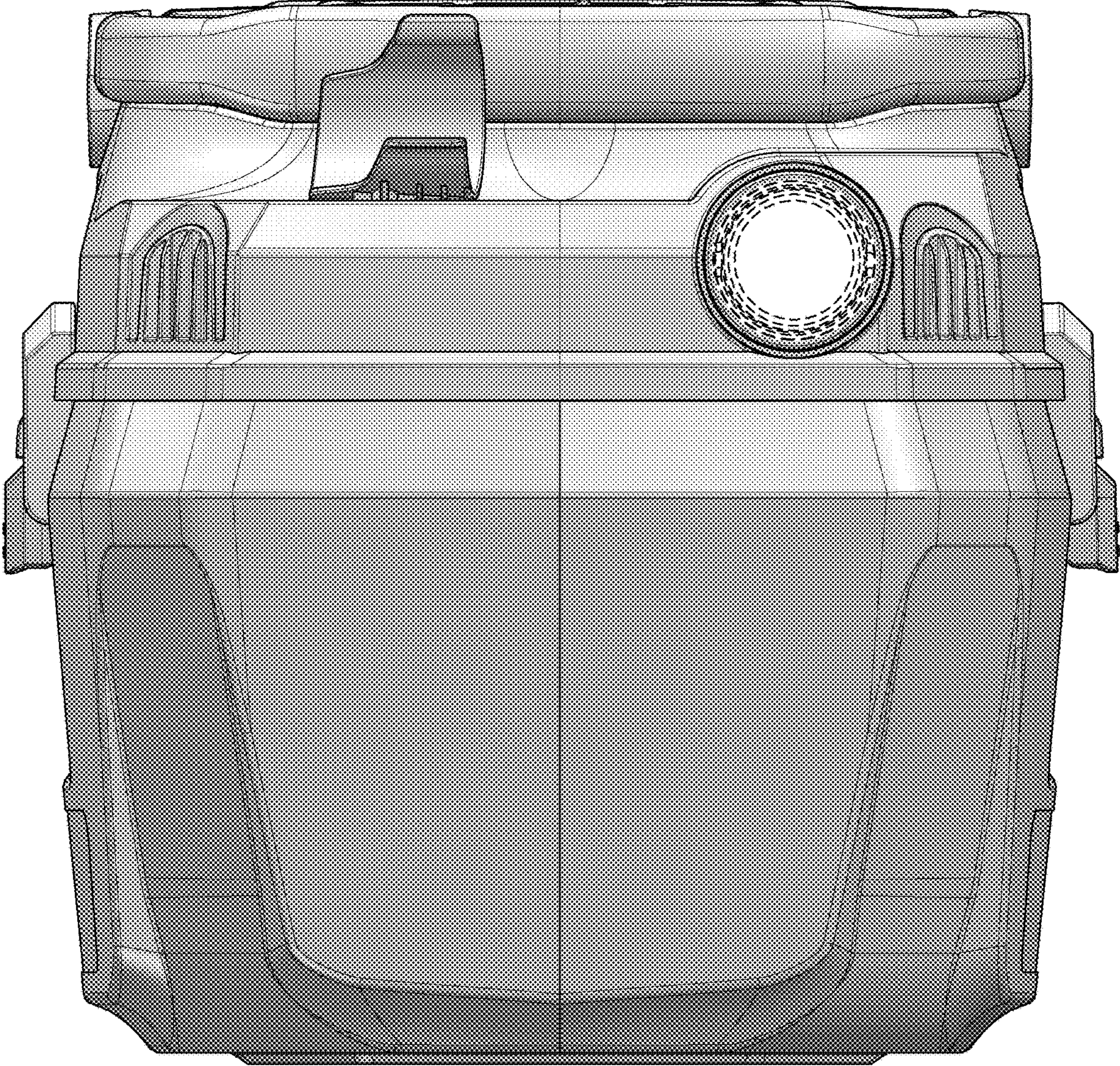


FIG. 4

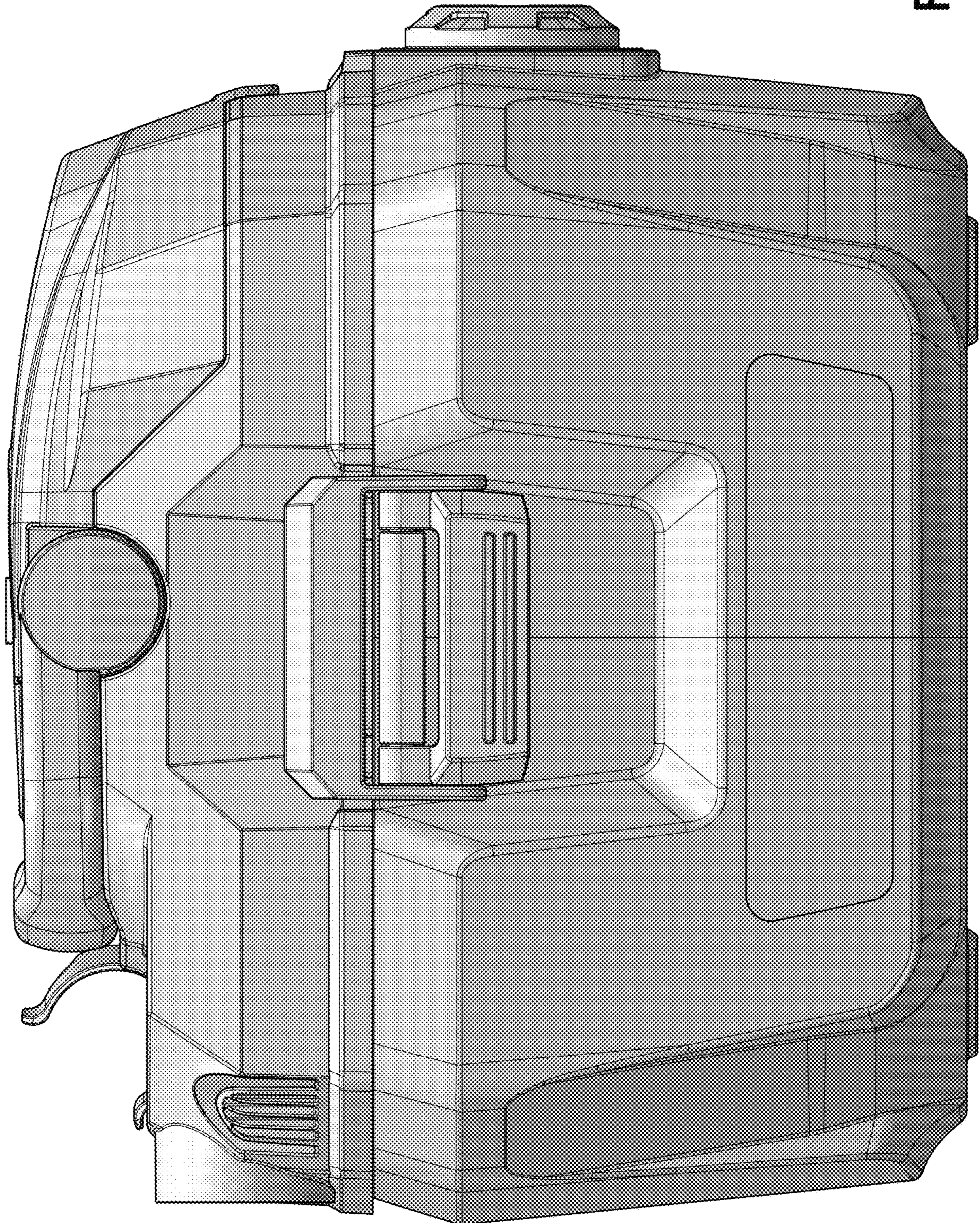


FIG. 5

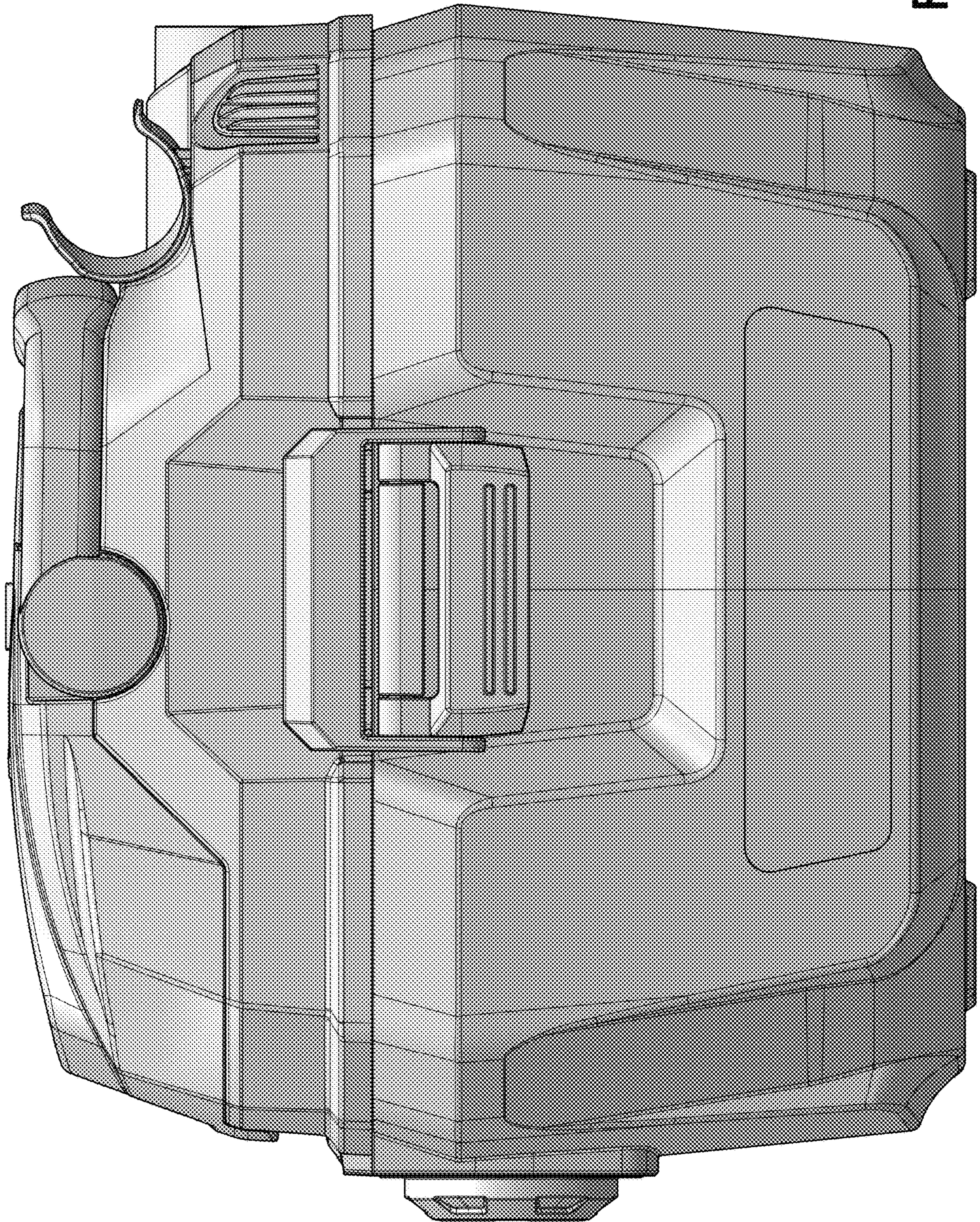


FIG. 6

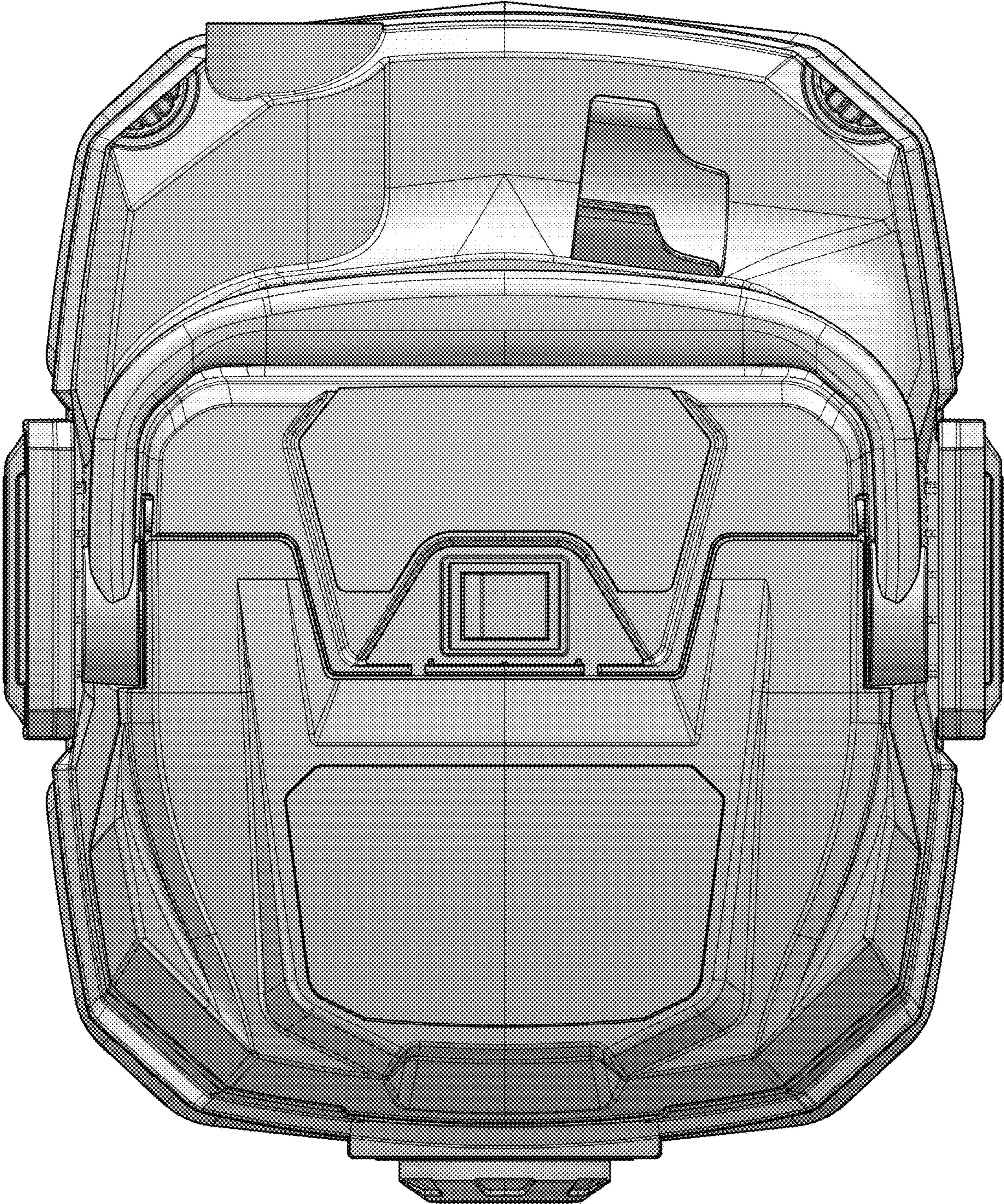


FIG. 7